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Requirements for Source Referenced by ORR Control Number 12100.

Background

As part of the study of Soviet Bloc military economics it is necessary to be able to account for research and development effort, particularly as it pertains to military programs and activities. To this end the following questions are designed to elicit information about the sources and availability of funds for research and development as well as other related financial information.

Requirements

The following questions should be answered for the USSR and for East Germany.

1. What have been the total expenditures, on an annual basis, for research and development (R & D) beginning with 1950? See definitions in l. b., below, for scope. Any information on present outlays or plans for the future should be included.

a. What part of total expenditures is devoted to military purposes? To investment? To consumption?

b. What is the division of expenditures among pure research, applied research, development, and product development? By these terms we mean: basic research - research directed toward the increase of knowledge in science; applied research - research directed toward the practical application of science; development - systematic use of scientific knowledge directed toward the production of useful materials, devices, systems, or processes other than design and production engineering; product development - design and production engineering, experimental production, testing, prototype production, and associated activities.

c. What relationship exists between types of organization (e.g., research institutes) and research and developmental responsibility (see a. and b. above)? Relate expenditures to types of organization, if possible.

2. What are the sources of funds for R & D activity? Be specific.

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2. Does the kind of R & D (e.g., pure research, development, the purpose of the R & D (e.g., military), and/or the executing organization (e.g., research institute) have any relationship to the sources of funds?


3. By type of organization, what is the distribution of R & D expenditures for salaries, other operating expenses, construction, equipment, etc.?

a. What is the total number of personnel involved - by type of organization, and how are they distributed by training (scientists, engineers, assistants, clerks, etc.)?

b. What is the wage scale for each of the groups - scientists, engineers, etc.?

c. What has been the movement of salaries and of prices of these other elements since 1950? Cite specific prices, salaries, and/or indexes whenever possible.

4. To what extent are R & D costs included in the final price of products? Does the practice vary between military and non-military products?

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